



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/026,482

12/27/2001

Se Chang Won

8733.519.00

7740

30827

7590

03/17/2008

MCKENNA LONG & ALDRIDGE LLP
1900 K STREET, NW
WASHINGTON, DC 20006

EXAMINER

ERDEM, FAZLI

ART UNIT

PAPER NUMBER

2826

MAIL DATE

DELIVERY MODE

03/17/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/026,482	Applicant(s) WON ET AL.	
	Examiner FAZLI ERDEM	Art Unit 2826	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 October 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6,8-12,14-17 and 19-41 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6,8-12,14-17 and 19-41 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>11/27/2007</u> . | 6) <input type="checkbox"/> Other: _____ |

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-6,8-12, 14-17 and 19-41 rejected under 35 U.S.C. 102(e) as being anticipated by Itoh (2001/0035711)

3. Regarding Claim 1, in Figs. 4 and 11, Itoh discloses a structure for mounting an inverter 11 for supplying power to a lamp (paragraph 0031) in a liquid crystal display device having a liquid crystal display module 3, comprising: an inverter 11 electrically connected to a lamp (paragraph 0031); a case surrounding the liquid crystal display module, upper part of element 8; at least one bracket, lower part of element 8/element 7/element 13, having a case part, lower part of element 8 and an inverter part 13/7 arranged on an external surface of the case, upper part of element 8, for connecting the inverter to the case; a guide 13 projection extending from the inverter part; and a guide hole 7 at an end of the inverter for inserting the guide projection therein.

4. Regarding Claim 2, structure according to claim 1, wherein the bracket includes a case part, lower part of element 8 connected to the bottom surface of the case, and wherein the case part has an inverter part 13/7 for attaching the inverter 11.

5. Regarding Claim 3, the structure for mounting an inverter for supplying power to a lamp in a liquid crystal display device having a liquid crystal display module 3, comprising: an

Art Unit: 2826

inverter 11 electrically connected to a lamp; a case, upper part of 8 surrounding the liquid crystal display module; and at least one bracket, lower part of 8/13/7, having a case part and an inverter part arranged on a bottom surface of the case for connecting the inverter to the case, wherein the case part, lower portion of element 8, is disposed parallel to the bottom surface; the inverter part is parallel to a front surface of the case; and the inverter part is positioned at a center of the bottom surface of the case, thereby preventing the inverter on the inverter part from being projected above or below the front or rear surface of the case.

6. Regarding Claim 4, in Fig. 11 a second bracket, on the left side; wherein the bracket and the second bracket are provided on the bottom surface of the case for supporting both ends of the inverter. 5.

7. Regarding Claim 5, structure according to claim 4, wherein the bracket includes a guide projection 13 from the inverter part; the second bracket includes screw hole 7 in the inverter part; and the inverter includes a guide hole at one end for receiving the guide projection 13 and a coupling hole 7 at the other end for fastening the inverter to the inverter part.

8. Regarding Claim 6, structure according to claim 2, wherein the bracket projecting from the case part has a projection 7; the inverter has a hole 13; and the bracket and inverter are fixedly attached by punching the hole and the projection together.

9. Regarding Claim 8, in Figs. 4 and 11, Itoh discloses a device for arranging an inverter on a case of a liquid crystal display, comprising: an LCD module 3; a case surrounding the LCD module, upper part of 8; and a bracket lower part of element 8 arranged on the case; wherein: the bracket comprises an inverter part 13/7 and a case part, lower part of element 8; the inverter 11 is arranged on the inverter part; the case includes a rear surface, a front surface, a bottom surface,

and a top surface; and the case part is positioned on the bottom surface of the case in such a manner as to prevent the inverter and the inverter part from projecting above the front surface or below the rear surface of the case.

10. Regarding Claim 9, device according to claim 8, further including a screw 13/7 for connecting the inverter to the inverter part

11. Regarding Claim 10, in Figs. 4 and 11, Itoh discloses a device for arranging an inverter on a case, comprising: an LCD module 3; a case, upper part of element 8 surrounding the LCD module; and a first bracket, on the right side in Fig. 11, and a second bracket, on the left side in Fig. 11, arranged on a bottom surface of the case; wherein the first bracket includes an inverter part 13/7 and a case part, lower portion of element 8; and wherein the inverter 11 is arranged on the inverter part.

12. Regarding Claim 11, device according to claim 10, wherein the second bracket includes a guide projection 13 projecting from the inverter part; wherein the inverter has a guide hole 7 for receiving the guide projection; and wherein the first bracket includes means 13/7 for attaching the inverter to the first bracket.

13. Regarding Claim 12, a device according to claim 10, wherein the second bracket includes a guide projection 13/7 projecting from the inverter part; wherein the inverter has a guide 7 hole for receiving the guide projection; and wherein the first bracket includes a screw 7 hole for attaching the inverter to the first bracket.

14. Regarding Claim 14, in Figs. 4 and 11, Itoh discloses a device for arranging an inverter to a case of a liquid crystal display, comprising: an inverter 11; an LCD module 3; a case, lower portion of element 8 surrounding the LCD module; a system housing 10 surrounding the case

Art Unit: 2826

and the LCD module; a body 9/8/10 having input and output devices; a hinge part, not labeled in Fig. 11 but they are on the lower portion of element 8 in Fig. 11, for connecting the system housing to the body; a bracket 13/7/lower portion of element 8, arranged on the case; wherein: the bracket comprises an inverter part 13/7 and a case part, lower portion of element 8; the inverter is arranged on the inverter part; the case 8 includes a rear surface, a front surface, a bottom surface, and a top surface; and the case part is positioned on the bottom surface of the case in such a manner as to prevent the inverter and the inverter part from projecting above the front surface or below the rear surface of the case.

15. Regarding Claim 15, in Figs. 4 and 11, Itoh discloses a device for connecting an inverter 11 on a case, comprising: an LCD module 3; a case, upper portion of element 8, surrounding the LCD module; and a first bracket and a second bracket connected to a bottom surface of the case; wherein the first bracket includes an inverter part 13/7 and a case part, lower portion of 8; and wherein the inverter 11 is attached to the inverter part 13/7.

16. Regarding Claim 16, device according to claim 15, wherein the second bracket includes a guide projection 13 projecting from the inverter part; wherein the inverter has a guide hole 7 for receiving the guide projection; and wherein the first bracket includes a means 13/7 for attaching the inverter to the first bracket.

17. Regarding Claim 17, device according to claim 15, wherein the second bracket includes a guide projection 13 projecting from the inverter part 13/7; wherein the inverter has a guide hole 7 for receiving the guide projection; and wherein the first bracket includes a screw hole 7 for attaching the inverter 11 to the first bracket.

Art Unit: 2826

18. Regarding Claim 19, in Figs. 4 and 11, Itoh discloses a device for connecting an inverter to a case of a liquid crystal display comprising: an inverter 11; an LCD module 3; a case, upper portion of element 8, surrounding the LCD module; a system housing 10 surrounding the case and the LCD module 3; a body 9/8/10 having input and output devices; a hinge part, bottom portion of element 9 in Fig. 11, for connecting the system housing to the body; a bracket 13/7/lower portion of element 8, connected to the case; wherein: the bracket comprises an inverter part 13/7 and a case part, lower portion of 8; the inverter 11 is attached to the inverter part; the case includes a rear surface, a front surface, a bottom surface, and a top surface; and the case part is positioned on the bottom surface of the case in such a manner as to prevent the inverter and the inverter part from projecting above the front surface or below the rear surface of the case.

19. Regarding Claim 20, in Fig. 4 and 11 and in paragraph 0031, Itoh discloses a structure for mounting an inverter for supplying power to a lamp in an liquid crystal display device having a liquid crystal display module, comprising: an inverter 11 electrically connected to a lamp; a case, upper portion of element 8 surrounding the liquid crystal display module; and at least one bracket 13/7/lower portion of element 8 arranged on an outside surface of the case connecting the inverter to the case, wherein the inverter is wholly within the perimeter of the outside surface of elements 9 and 10 in Fig. 11.

20. Regarding Claim 21, structure according to claim 20, wherein the bracket includes a case part, lower portion of element 8, connected to the outside surface of the case, and wherein the case part has an inverter part for attaching the inverter 11.

Art Unit: 2826

21. Regarding Claim 22, in Figs 4 and 11 Itoh discloses a structure according to claim 21, wherein the case part is disposed parallel to the bottom surface; the inverter part is parallel to a front surface of the case; and the inverter part is positioned at a center of a bottom surface of the case, thereby preventing the inverter on the inverter part from being projected above or below the front or rear surface of the case.
22. Regarding Claim 23, structure according to claim 22, further comprising: a second bracket, on the left side in Fig. 11; wherein the bracket and the second bracket are provided on the bottom surface of the case for supporting both ends of the inverter.
23. Regarding Claim 24, a structure according to claim 23, wherein the bracket includes a guide projection 13 from the inverter part; the second bracket includes screw hole 7 in the inverter part; and the inverter includes a guide hole 7 at one end for receiving the guide projection 13 and a coupling hole at the other end for fastening the inverter to the inverter part.
24. Regarding Claim 25, a structure according to claim 21, wherein the bracket projecting from the case part has a projection; the inverter 11 has a hole 13; and the bracket and inverter are fixedly attached by punching the hole and the projection together.
25. Regarding Claim 26, in Figs. 4 and 11, Itoh discloses a device for arranging an inverter 11 on a case of a liquid crystal display, comprising: an LCD module 3; a case 9/10 and upper portion of element 8 surrounding the LCD module; and a bracket arranged on an outside surface of the case, wherein the bracket comprises: an inverter part 13/7; and a case part lower portion of element 8; wherein the inverter is arranged on the inverter part and wherein the inverter is wholly within the perimeter of the outside surface of the case which is defined as 9, upper portion of element 8 and element 10.

Art Unit: 2826

26. Regarding Claim 27, device according to claim 26, further including means for connecting the inverter 11 to the inverter part 13/7; wherein the case 9/10 and upper portion of element 8, includes a rear surface, a front surface, a bottom surface, and a top surface; and wherein the case part is positioned on the bottom surface of the case in such a manner as to prevent the inverter and the inverter part from projecting above the front surface or below the rear surface of the case.

27. Regarding Claim 28, device according to claim 26, further including a screw 13/7 for connecting the inverter to the inverter part; wherein the case, 9/10/upper portion of element 8, includes a rear surface, a front surface, a bottom surface, and a top surface; and wherein the case part is positioned on the bottom surface of the case in such a manner as to prevent the inverter and the inverter part from projecting above the front surface or below the rear surface of the case.

28. Regarding Claim 29, in Figs. 4 and 11, Itoh discloses a device for arranging an inverter 11 on a case, 9/10/upper portion of element 8, comprising: an LCD module 3; a case surrounding the LCD module, 9/10/upper portion of element 8; and a first and a second bracket arranged on an outside surface of the case; wherein the first and second brackets include an inverter part 13/7 and a case part, lower portion of element 8; and wherein the inverter 11 is arranged on the inverter part and wherein the inverter is wholly within the perimeter of the outside surface

29. Regarding Claim 30, device according to claim 29, wherein the second bracket includes a guide projection 13 projecting from the inverter part; wherein the inverter has a guide hole 7 for receiving the guide projection; and wherein the first bracket includes means 13/7 for attaching the inverter to the first bracket.

Art Unit: 2826

30. Regarding Claim 31, device according to claim 29, wherein the second bracket, on the left side in Fig. 11, includes a guide projection projecting from the inverter part; wherein the inverter has a guide 7 hole for receiving the guide projection; and wherein the first bracket includes a screw hole for attaching the inverter to the first bracket.

31. Regarding Claim 32, in Figs. 4 and 11 and in paragraph 0032, Itoh discloses a device for arranging an inverter to a case of a liquid crystal display, comprising: an inverter 11; an LCD module 3; a case 9/10/upper portion of element 8 surrounding the LCD module, a system housing 9/10 surrounding the case and the LCD module; a body 3 having input and output devices; a hinge part for connecting the system housing to the body; a bracket 13/7/lower portion of element 8, arranged on an outside surface of the case, wherein the bracket comprises: an inverter part 13/7; and a case part, lower portion of element 8; wherein the inverter is arranged on the inverter part and wherein the inverter is wholly within the perimeter of the outside surface defined by elements 9/10

32. Regarding Claim 33, device according to claim 32, including means for connecting the inverter 11 to the inverter part of the bracket; wherein the case, 9/10/upper portion of element 8, includes a rear surface, a front surface, a bottom surface, and a top surface; and wherein the case part is positioned on the bottom surface of the case in such a manner as to prevent the inverter and the inverter part from projecting above the front surface or below the rear surface of the case.

33. Regarding Claim 34, in Figs. 4 and 11, Itoh discloses a device for connecting an inverter 11 on a case, comprising: an LCD module 3; a case 9/10/upper portion of element 8 surrounding the LCD module; and a first and a second bracket connected to an outside surface of the case; wherein the first and second brackets include an inverter part 13/7 and a case part, lower portion

Art Unit: 2826

of element 8; and wherein the inverter 11 is attached to the inverter part and wherein the inverter is wholly within the perimeter of the outside surface of elements 9 and 10.

34. Regarding Claim 35, device according to claim 34, wherein the second bracket, on the left side, includes a guide projection projecting from the inverter part; wherein the inverter has a guide hole 7 for receiving the guide projection; and wherein the first bracket includes a means 13/7 for attaching the inverter to the first bracket.

35. Regarding Claim 36, device according to claim 34, wherein the second bracket, on the left side in Fig. 11, includes a guide projection 13 projecting from the inverter part; wherein the inverter has a guide hole for receiving the guide projection; and wherein the first bracket includes a screw hole 7 for attaching the inverter to the first bracket.

36. Regarding Claim 37, in Figs. 4, 11 and in paragraph 0032 Itoh discloses a device for connecting an inverter to a case of a liquid crystal display comprising: an inverter 11; an LCD module 3; a case, 9/10 and upper portion of element 8 surrounding the LCD module; a system 9/10 housing surrounding the case and the LCD module; a body 3/9/10 having input and output devices; a hinge part, on element 9, for connecting the system housing to the body; a bracket 13/7/lower portion of element 8, connected to an outside surface of the case, wherein the bracket comprises: an inverter part 13/7; and a case part, lower portion of element 8; wherein the inverter is attached to the inverter part and wherein the inverter is wholly within the perimeter of the outside surface defined by 9/10 and upper portion of element 8.

37. Regarding Claim 38, a device according to claim 37, including means for connecting the inverter to the inverter part of the bracket; wherein the case 9/10 and upper portion of element 8 includes a rear surface, a front surface, a bottom surface, and a top surface; and wherein the case

Art Unit: 2826

part is positioned on the bottom surface of the case in such a manner as to prevent the inverter and the inverter part from projecting above the front surface or below the rear surface of the case.

38. Regarding Claim 39, device according to claim 8, further including means, 13/7, for connecting the inverter to the inverter part.

39. Regarding Claim 40, a device according to claim 14, including means 13/7 for connecting the inverter to the inverter part of the bracket.

Regarding Claim 41, device according to claim 19, including means 13/7 for connecting the inverter to the inverter part of the bracket.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FAZLI ERDEM whose telephone number is (571)272-1914. The examiner can normally be reached on M - F 8:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sue Purvis can be reached on (571) 272-1236. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2826

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

FE
March 3, 2008

/Thomas L Dickey/
Primary Examiner, Art Unit 2826